

# Stages Collection

Used by [Build](#) object. Represents the collection of stages in the parent object (i.e. build) and includes functions to select stages in that collection. The stages are sorted by running order.

## Properties

| Name  | Description                                | Return Type             | Usage Example          |   |
|-------|--------------------------------------------|-------------------------|------------------------|---|
| Count | Returns number of stages in the collection | <a href="#">Integer</a> | \$Build.Stages.Count\$ | 3 |

## Functions

| Name and Parameters                                                    | Description                                                                                                                               | Return Type                       | Usage Example                                                |                       |
|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------|-----------------------|
| First()                                                                | Gets first stage from the collection                                                                                                      | <a href="#">Stage</a>             | \$Build.Stages.First().Name\$                                | "Build"               |
| First(string property, string operator, string value, bool ignoreCase) | Gets first matching stage from the collection for given property using given operator. See list of valid <a href="#">operators</a> below. | <a href="#">Stage</a>             | \$Build.Stages.First("IsFailure", Equals, True).AgentName\$  | "ciagent01"           |
| IsEmpty()                                                              | Returns true if collection is empty.                                                                                                      | <a href="#">Boolean</a>           | \$Build.Stages.IsEmpty()\$                                   | False                 |
| Item(integer index)                                                    | Gets a stage in the collection by zero-based index number                                                                                 | <a href="#">Stage</a>             | \$Build.Stages.Item(1).Name\$                                | "Test"                |
| Last()                                                                 | Gets last stage from the collection                                                                                                       | <a href="#">Stage</a>             | \$Build.Stages.Last().Name\$                                 | "Deploy"              |
| Last(string property, string operator, string value, bool ignoreCase)  | Gets last matching stage from the collection for given property using given operator. See list of valid <a href="#">operators</a> below.  | <a href="#">Stage</a>             | \$Build.Stages.Last("IsSuccessful", Equals, True).Finished\$ | "13/11/2018 01:35:03" |
| Select(string property)                                                | Returns a string collection of property values                                                                                            | <a href="#">String Collection</a> | \$Build.Stage.Select(Name).Join(",")\$                       | "Build, Test, Deploy" |
| Where(string property, string operator, string value, bool ignoreCase) | Gets matching stages from collection for given property using given operator. See list of valid <a href="#">operators</a> below.          | <a href="#">Stages Collection</a> | \$Build.Stages.Where("HasWarnings", Equals, True).Count\$    | 2                     |

## Operators

- Equals
- DoesNotEqual
- Contains
- DoesNotContain
- StartsWith
- DoesNotStartWith
- EndsWith
- DoesNotEndWith
- IsRegexMatch
- IsNotRegexMatch